



THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Inventors : R. A. Carlson et al
Serial No. : 09/734,801
Filing Date : December 12, 2000
Examiner : S. Chunduru
Group Art Unit : 1656
Title : A METHOD FOR IN VITRO
MOLECULAR EVOLUTION OF
PROTEIN FUNCTION

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Our File: 0149-FCCC-97-12US

AMENDMENT AND REQUEST FOR RECONSIDERATION
UNDER 37 C.F.R. §1.111

In response to the Official Action dated June 29, 2001, please amend the above-identified application as follows:

In the claims:

- A1
SUB
B1
1. A method for generating a polynucleotide sequence or population of sequences from parent single stranded polynucleotide sequences encoding one or more protein motifs, comprising the steps of:
- a) providing single stranded DNA constituting plus and minus strands of parent polynucleotide sequences;
 - b) digesting the single-stranded polynucleotide sequences with an exonuclease to generate populations of single stranded fragments;
 - c) contacting said fragments generated from the plus strands with fragments generated from the minus strands;